

Source Water Evaluation Checklist

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☐ NO DATA AVAILABLE

System Name: _____

Checklist Completed by: _____ Date: _____

A. Do you have source water temperature data? ☐ Yes ☐ No

If NO, proceed to item B. If YES, was the source water temperature high? ☐ Yes ☐ No

If NO, proceed to item B. If YES, answer the following questions for the time period prior to the OEL exceedance.

Yes No

- ☐ ☐ Was the raw water storage time longer than usual?
- ☐ ☐ Did you place another water source on-line?
- ☐ ☐ Were river/reservoir flow rates lower than usual? If yes, indicate the location of lower flow rates and the anticipated impact on the OEL exceedance.
- ☐ ☐ Did point or non-point sources in the watershed contribute to the OEL exceedance?

B. Do you have data that characterizes organic matter in your source water (e.g., TOC, DOC, SUVA, color, THM formation potential)? ☐ Yes ☐ No

If NO, proceed to item C. If YES, were these values higher than normal? ☐ Yes ☐ No

If NO, proceed to item C. If YES, answer the following questions for the time period prior to the OEL exceedance.

Yes No

- ☐ ☐ Did heavy rainfall or snowmelt occur in the watershed?
- ☐ ☐ Did you place another water source on-line?
- ☐ ☐ Did lake or reservoir turnover occur?
- ☐ ☐ Did point or non-point sources in the watershed contribute to the OEL exceedance?
- ☐ ☐ Did an algal bloom occur in the source water?
- ☐ ☐ If algal blooms were present, were appropriate algae control measures employed (e.g. addition of copper sulfate)?
- ☐ ☐ Did a taste and odor incident occur?

C. Do you have source water bromide data? ☐ Yes ☐ No

If NO, proceed to item D. If YES, were the bromide levels higher or lower than normal? ☐ Yes ☐ No

If NO, proceed to item D. If YES, answer the following questions for the time period prior to the OEL exceedance.

Yes No

- ☐ ☐ Has saltwater intrusion occurred?
- ☐ ☐ Are you experiencing a long-term drought?
- ☐ ☐ Did heavy rainfall or snowmelt occur in the watershed?
- ☐ ☐ Did you place another water source on-line?
- ☐ ☐ Are you aware of any industrial spills in the watershed?

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D. Do you have source water turbidity or particle count data? ☐ Yes ☐ No

If NO, proceed to item E. If YES, were the turbidity values or particle counts higher than normal? ☐ Yes ☐ No

If NO, proceed to item E. If YES, answer the following questions for the time period prior to the OEL exceedance.

Yes No

- ☐ ☐ Did lake or reservoir turnover occur?
- ☐ ☐ Did heavy rainfall or snowmelt occur in the watershed?
- ☐ ☐ Did logging, fires, or landslides occur in the watershed?
- ☐ ☐ Were river/reservoir flow rates higher than normal?

E. Do you have source water pH or alkalinity data? ☐ Yes ☐ No

If NO, proceed to item F. If YES, was the pH or alkalinity different from normal values? ☐ Yes ☐ No

If NO, proceed to item F. If YES, answer the following questions for the time period prior to the OEL exceedance.

Yes No

- ☐ ☐ Was there an algal bloom in the source water?
- ☐ ☐ If algal blooms were present, were algae control measures employed?
- ☐ ☐ Did heavy rainfall or snowmelt occur in the watershed?
- ☐ ☐ Has the PWS experienced diurnal pH changes in source water?

F. Conclusion

Did source water quality factors contribute to your OEL exceedance? ☐ Yes ☐ No
☐ Possibly

If YES or POSSIBLY, explain below.
